

Abstract:

The replacement of chlorofluorohydrocarbon propellants in medical aerosols is of the utmost importance to the pharmaceutical industry. A number of formulations have been investigated.

The present invention provides a medical aerosol formulation comprising a particular medicament, a fluorocarbon propellant and 6 to 25% w/w of the total formulation of a polar co-solvent, such formulation being substantially free of surfactant. Cannisters suitable for delivering such a pharmaceutical formulation are also provided.

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Abstract of the Invention

This invention provides a medicinal aerosol formulation comprising a particulate medicament, a fluorocarbon propellant and 6% to 25% w/w of the total formulation of a polar co-solvent, wherein the aerosol formulation is free of surfactant. This invention also provides a medicinal aerosol formulation, including one or more particulate medicaments, one or more fluorocarbon or hydrocarbon or aliphatic gas propellants and 6% to 25% w/w of a polar co-solvent. In addition, this invention provides a canister suitable for delivering a pharmaceutical aerosol formulation, which comprises a container capable of withstanding the vapour pressure of the propellant used, which container is closed with a metering valve and contains a pharmaceutical aerosol formulation which comprises particulate medicament, a propellant, and 6% to 25% of a polar co-solvent, which is substantially free of surfactant, wherein the propellant comprises a fluorocarbon.